Substitute lon form 1449A/PTO

* 15 5 9 74

Approved for use through 10/31/99. OMB 0651-0031 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

COMPLETE IF KNOWN 09/879,339 Conf. No. 6518 Application Number Filing Date June 11, 2001 First Named Inventor Kenneth H. Abbott 2173 Group Art Unit

Wiformation disclosure STATEMENT BY APPLICANT NOV 2 9 2002 Wise as many sheets as necessary) Examiner Name Unknown 294438022US3 4 Attorney Docket No.

Sheet	9	1	of		4	Attorney Docke		294438022US3	
THADENIDAR		•			J.S. PATENT I	<u> </u>			
		U.S. Patent Document Name of Patentee or App			Applicant		Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
74		ent Applicatio . 09/724,777		Abbot	et al.		11/28/0	0	
		ent Application. 09/724,799	n	Abbot	t et al.		11/28/0	0	
		ent Application	n	Abbot	t et al.		11/28/0	0	
		ent Application	n	Abbot	t et al.		11/28/0		ECEIVED
		tent Application	n	Abbot	t et al.		11/28/0		DEC 0 2 2002
		tent Application	n	Abbot	t et al.		11/28/0	° Tec	nology Center 2100
		tent Application	on	Abbot	t et al.	···	11/28/0	10	
	No	tent Application	n	Abbot			6/11/01		
	4,9	16,441		Gomb			4/10/90		
		32,083		Friedn	nan		7/16/91		
	5,2	01,034		Matsu	ura et al.		4/6/93		
		08,449		Eastm	an et al.		5/4/93		
	5,2	14,757		Maune	ey et al.		5/25/93		
	5,2	27,614		Danie	son et al.		7/13/93		
	5,3	35,276		Thom	oson et al.		8/2/94		
	5,4	16,730		Looko	fsky		5/16/95	•	
	5,4	70,233		Frucht	erman et al.		11/28/9)5	
	5,4	93,692		Theim	er et al.		2/20/96	i	T
	5,5	44,321		Theim	er et al.		8/6/96		
	5,5	55,376		Theim	er et al.		9/10/96	j	
	5,5	59,520		Barze	gar et al.		9/24/90	j	
	5,5	68,645		Morris	et al.		10/22/9	96	
	5,6	01,435		Quy			2/11/97		
	5,6	03,054		Their	er et al.		2/11/97		
	5,6	11,050		Theim	er et al.	•	3/11/97		
	5,6	42,303		Small	et al.		6/24/97	,	
	5,6	46,629		Loom	s et al.		7/8/97		
	5,7	19,744		Jenkin	s et al.		2/17/98	3	
	5,7	26,660		Purdy	et al.		3/10/98	3	
		51,260		Nappi	et al.		5/12/98	3	
		81,913			stein et al.		7/14/98		
		90,974		Togna	zzini		8/4/98		

EXAMINER	DATE CONSIDERED
Taderse Harlin	12/21/04
* EXAMINER: Initial if reference considered, whether or not criteria	is in conformance with MPEP 609. Draw line through citation if not in

conformance and not considered. Include copy of this form with next communication to applicant(s).

Please the Poles sign (+) inside this box → +

OLFE	e)				Patent a			rough 10/31/99. OMB 0651-0031 DEPARTMENT OF COMMERCE
NOV 2 9 2002	8			_			MPLETE IF K	
	опр <mark>. 4</mark> 49А/РТО				Application Nun	nber	09/879,339	Conf. No. 6518
Δ .		n discl	SUR	E	Filing Date		June 11, 2001	
Consulate Consul	TATEMENT (use as many sh	By Appl	ICAN	T	First Named Inv	entor	Kenneth H. Abbo	tt
VALLES	(use as many sh	eets as nece	ssary)		Group Art Unit		2173	
					Examiner Name		Unknown	
Sheet	2	of		4	Attorney Docket	No.	294438022US3	
			τ	J.S. PATENT I	DOCUMENT	s		
*EXAMINER	U.S. Patent I	Document		Name of Patentee or	Applicant	Date of	Publication of Cited	Pages, Columns, Lines, Where Relevant Passages or
INITIALS	NUMBER	Kind Code (if known)		of Cited Docum	nent		Document	Relevant Figures Appear
TH	5,798,733		Ethrid	ge .		8/25/98		
	5,812,865		Theim	er et al.		9/22/98		
	5,873,070		Bunte	et al.		2/16/99		
	5,878,274		Kono	et al.		3/2/99		
	5,902,347		Backn	nan et al.		5/11/99		
	5,910,799		Сагрег	nter et al.		6/8/99		
	5,938,721		Dussel	l et al.		8/17/99	DEC	
	5,948,041		Abo et	al.		9/7/99		
	5,959,611		Smaila	igic et al.		9/28/99	חבר	0 2 2002
	5,991,687		Hale e	t al.		11/23/9	, טבט	0 to 2000
	6,014,638		Burge	et al.		1/11/00	- shaala	cy Center 2100
	6,047,301		Bjorkl	und et al.		4/4/00	I & CHILOIO	gy Center 2100
	6,064,943		Clark,	Jr. et al.		5/16/00		
	6,108,197		Janik			8/22/00		
	6,127,990		Zwern			8/3/00		

	FOREIGN PATENT DOCUMENTS								
EXAMINER INITIALS	Office	Foreign Patent Document Kind Code Number (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т			
TH	EPO	EP 0823 813A2	Kopin Corporation	2/11/98					
	JPO	05260188	Matsushita Electric Ind. Co. Ltd.	10/8/93	Abstract Only				
	JPO	09091112	Toshiba Corp.	4/4/97	Abstract Only	\dagger			
	PCT	WO 90/08361	The Scott Fetzer Company	7/26/90		一			
	PCT	WO 97/03434	Virtual I/O, Inc.	1/30/97		\top			

	OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS	
EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, city and/or country where published.	7
TH	" 'Affective Understanding:' Modeling and Responding to User Affect," http://www.media.mit.edu/affect/AC_research/understanding.html, pp. 1-3 [Accessed 2 Oct 1998].	
TH	"Alps GlidePoint," http://www.alps.com/p17.html, p. 1 [Accessed 2 Oct 1998].	_
TH	"GyroPoint Technology," http://www.gyration.com/html/gyropoint.html, pp. 1-3 [Accessed 2 Oct 1998].	
TH	"Haptics," http://www.ai.mit.edu/projects/handarm-haptics/haptics.html, pp. 1-2 [Accessed 2 Oct 1998].	
TIT	"Research Areas in Affective Computing," http://www.media.mit.edu/affect/, p. 1 [Accessed 2 Oct 1998]	

EXAMINER	DATE CONSIDERED
Tadene Handu	12/21/04
* EXAMINER: Initial if reference considered, whether or not criteria conformance and not considered. Include copy of this form	is in conformance with MPEP 609. Draw line through citation if not in with next communication to applicant(s)

U., - 3	gn (+) inside this box →			Patent and Trade	Approved for use through mark Office: U.S. DEPAR	PTO/SB/ - 10/31/99. OMB 0651 RTMENT OF COMME				
NOV 2 9 2002	6				OMPLETE IF KNOW					
	(A) 1449A/PTO			Application Number	09/879,339	Conf. No. 6518				
	FORMATION	DISCLOSUE	RE	Filing Date	June 11, 2001	1 001101101				
RADEMARK	, STATEMENT B	Y APPLICAN	JT.	First Named Inventor	Kenneth H. Abbott					
MUEN	(use as many she			Group Art Unit	2173					
	(use as many sne	cis us necessury)	•	Examiner Name	Unknown					
Sheet	3	of	4	Attorney Docket No.	294438022US3					
	1			NT LITERATURE	<u> </u>					
EXAMINER				title of the article (when app						
INITIALS	journal,	serial, symposium, o	catalog, etc.), date, pa	ge(s), volume, issue number(published.	s), publisher, city and/or co	ountry where				
TH	[Accessed 2 Oct	1998].		" http://www.media.mit.edu/						
				nit.edu/affect/AC_research/s		ssed 2 Oct 1998].				
				//demos/smartroom/, pp. 1-3						
- -				du/vismod/demos/smartdesk/						
-	"Wearable Comp	"The MIT Wearable Computing Web Page," http://wearables.www.media.mit.edu/projects/wearables/, pp. 1-3 [Accessed 2 Oct 1998]. "Wearable Computer Systems for Affective Computing," http://www.media.mit.edu/affect/AC_research/wearables.html, pp. 1-5								
		al., "Realtime Person	al Positioning System	for a Wearable Computer,"	3 rd International Sympo id	To Control VE				
				te Sensing," University of Or	egon, February 1996	DEC 0 2 200				
				ge Information," IEEE, pp. 57		DEC 0 2 CM				
				unications; A First Step Tow	ards Contextual Communi	ication," 3rd				
	International Sym	posium on Wearable	Computers," San Fr	ancisco, California, October	18-19 1999	chnology Cente				
				ng Context-Awareness with V rnia, October 18-19, 1999	Vearable Computing," 3" [international				
				Computers," Communication	of the ACM, Vol. 39, No.	2, February 1996, pp.				
			oor Navigation Using California, October 18	a Diverse Set of Cheap, Wes 3-19, 1999	arable Sensors," 3 rd Interna	tional Symposium on				
				d Laboratories, HPL-97-66 (1997).					
	Kirsch, Dana, "T	he Sentic Mouse: A	tool for measuring en	notional valence,"						
				ic mouse.html, pp. 1-2 [Accuters as Remote Interfaces to		111111111111111111111111111111111111111				
	October 1998	context-Aware, Auap	Aive wearable Compt	iters as Remote interfaces to	intelligent environments,	" University of Oregon				
	Kortuem, Gerd, "When Cyborgs Meet: Building Communities of Cooperating Wearable Agents," 3 rd International Symposium on Wearable Computers," San Francisco, California, October 18-19, 1999									
	Lashkari, Yezdi e	t al., "Collaborative	Interface Agents," Pro	eccedings of AAAI '94 Confe	rence, Seattle, Washington	, August 1994				
	Computers, San F	Francisco, California,	October 18-19, 1999	hitecture for Wearable Comp	•	•				
1 1	Leonhardi, Alexa	nder et al., "Virtual I	nformation Towers -	A Metaphor for Intuitive, Lomputers, San Francisco, Cali	cation-Aware Information	Access in a Mobile				
	Lunt, Teresa F. et	al., "Knowledge-Bas	sed Intrusion Detection Vol. Conf. 4, 1989, pa	n," Proceedings of the Annua	al Artificial Intelligence Sy	stems in Government				
	Maes, Pattie, "Ag	ents That Reduce W	ork and Information C	Overload," Communications	of the ACM, Vol. 37, No. 7	July 1994				
	Mann, Steve, "'Sr	nart Clothing': Weat	rable Multimedia Con	nputing and 'Personal Imagin	g' to Restore the Technolog	gical Balance Between				
	People and Their	Environments", ACI	M Multimedia, Noven	nber 1996, pp. 163-174						
+	Oakes, Chris, "Th	e Truman Show Rea	ectronic lnk, and Sma llized?," http://www.v	ut Rooms," PC Magazine, pr vired.com/news/news/techno	o. 192-193, June 1998. logy/story/15745.html, pp.	1-4 [Accessed 21 Oct				
+	1998].	Under 1 "ACC	a Wasakta " Da	of Washington and America	140 1400 14 11 11	4,005				
	Rekimote et al. "	The World through	he Computer Computer	al Technologies vol. 1: 231-2 uter Augmented Interaction v	40, MIT Media Laborator	y (1997).				
+	1995, pp. 29-36			://rhodes.www.media.mit.edu						
+	[Accessed 2 Oct 1	1998]								
	Commonium on Vi	J. The wearable Ke	INCHIDITATICE Agent: A	System for Augmented Merge, MA, October 13-14, 1997	mory," Proceedings of the	First International				

EXAMINER		DATE CONSIDERED	
Todene	Harl	12/22/04	•
* EXAMINER:	Initial if reference considered, whether or not criteria conformance and not considered. Include copy of this form	is in conformance with MPEP 609.	Draw line through citation if not in

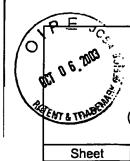
lease type a pus	(+) inside this box →	[+]				ugh 10/31/99. OMB 0			
NOV 2 9 20	m all		···		Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCI COMPLETE IF KNOWN				
: K	om I APPA/PTO			Application Number	09/879,339 Conf. No. 6518				
^{ાં} લ્ડ્રે II	NEORMATION	DISCLOSUR	E	Filing Date	June 11, 2001				
PADENS	TATEMENT B	Y APPLICAN	T	First Named Inventor	Kenneth H. Abbott				
	(use as many sheets as necessary)				2173				
				Examiner Name	Unknown				
Sheet	4	of	4	Attorney Docket No.	294438022US3				
	OTHE	R PRIOR ART	Γ-NON PAT	ENT LITERATURE	DOCUMENTS				
EXAMINER INITIALS	Include nam journal,	ne of the author (in CA serial, symposium, ca	APITAL LETTER atalog, etc.), date,	S), title of the article (when app page(s), volume, issue number published.	appropriate), title of the item (book, magazine, ber(s), publisher, city and/or country where				
HT	Sato, J. et al., "Au 1997.	itonomous Behavior (Control of Virtual	Actors Based on the AIR Mode	el," Proceedings Comp	uter Animation, June 5			
	Schneider, Jay an Symposium on W	d Jim Suruda, "Mode earable Computers, S	ling Wearable Neg an Francisco, Cal	gotiation in an Opportunistic T ifornia, October 18-19 1999	ask Oriented Domain,	· 3 rd International			
	Smailagic et al., "		esign with user tas	sk: Modalities of Interaction w	ith CMU Wearable Co	mputers," IEEE Person	al		
		et al., "MoCCA: A M rancisco, California,		ation and Computing Architect	ure," 3 rd International S	Symposium on Wearabl	e		
				Computing," Media Lab, MIT					
	Tan, Hong Z. and Laboratory, pp. 84	Alex Pentland, "Tact 4-88, 1997.	ual Displays for V	Wearable Computing," IEEE, M	fassachusetts Institute	of Technology Media			
	Yang, Jie et al., "S California, Octob		st Assistant System	m," 3 rd International Symposium	n on Wearable Compu	ters, San Francisco,			

RECEIVED
DEC 0 2 2002 Technology Center 2100

EXAMINER	DATE CONSIDERED
Tadena Hulm	12/22/04

2/22/04 * EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in

conformance and not considered. Include copy of this form with next communication to applicant(s).



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Form PTO-1449 (Modified) (Use several sheets if necessary)

of

	OMPLETE IF KNOWN
Application Number •	09/879,339
Confirmation Number	6518
Filing Date	June 11, 2001
First Named Inventor	Kenneth H. Abbott
Group Art Unit	2173
Examiner Name	John W. Cabeca
Attorney Docket No.	294438022US3

					U.S. PATENT DOCUMENTS			_
Examiner Initials*	Cite No.	-		Kind Code	Name of Patentee or Inventor of Cited Document	Pages, Columns, Line Where Relevant Passage Relevant Figures Appe	s or	
TA		6,4	05,159	B2	Bushey et al.	6/11/02		
Tut		6,4	21,700	B1	Holmes et al.	7/16/02		
TH		6,4	46,057	B1	Vaughan	9/3/02	•	
TH		6,4	46,109	B2	Gupta	9/3/02		
			-			9/3/02 9/3/02	CEIVED	
						00	0 8 2003	
a'					· 	Technok	gy Center 2100	
				F	OREIGN PATENT DOCUMENTS			
Examiner Initials*	Cite No.	Foreign Patent or Application Kind Co Office NUMBER (if know			de Name of Patentee or Applicant	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т	
	T				ART-NON PATENT LITERATURE or (in CAPITAL LETTERS), title of the artic		title of the Hern	_
Examiner Initials*	Cite No.		ook, magazine	, journal, seri	al, symposium, catalog, etc.), date, page(s and/or country where published	s), volume issue numb I.	per(s), publisher, city	
TH		Tech	nologies fo	or Adapti	e is more to Context than Love Mobile User Interfaces,"	cation: Enviro	J	
TH		Dech	amboux, f	o. et al., '	"Using a Distributed Shared diators," 1996	Memory for Im	plementing	

EXAMINER		DATE CONSIDERED			
	Toderse Harle	12/23/04			
*EXAMINER:	Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).				

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary) Sheet 1 of

COMPLETE IF KNOWN					
Application Number	09/879,339				
Confirmation Number	6518				
Filing Date	June 11, 2001				
First Named Inventor	Kenneth H. Abbott				
Group Art Unit	2173 .				
Examiner Name	Tadesse Hailu				
Attorney Docket No.	294438022US3				

					U.S	S. PATENT DOCUMENTS			
Examiner Initials	Cit	е	S. Patent or A	Kind Code (if known)		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	3,
	<u> </u>	_							
							R	ECEIVED	
	\perp				ļ		, ,		
		_			ļ			APR 2 0 2004	
					<u> </u>		Tech	Inology Center 2100	
	···			F	ORE	IGN PATENT DOCUMENTS			
Examiner Initial	Cite No.	Fore	eign Patent or NUMBER	Application Kind Co (if know		Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear	Т
			:						П
			OTHE	R PRIOR A	ART-	NON PATENT LITERATURE D	OCUMENTS		$\overline{}$
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.						Т	
(H		CUGOLA, G. et al., "Exploiting an event-based infrastructure to develop complex distributed systems," International Conference on Software Engineering, Milan, Italy, April 1998, 10 pages http://citeseer.nj.nec.com/context/15221/364458							
1 H		PASCOE, J., "Adding Generic Contextual Capabilities to Wearable Computers," Kent, United Kingdom, October 1998, 8 pages http://citeseer.nj.nec.com/context/866466/426094							
TH		STAROVIC, G. et al., "An Event Based Object Model for Distributed Programming," Dublin, Ireland, 1995, 15 pages http://citeseer.nj.nec.com/context/98413/5351							
									1

EXAMINER Tadiose Have	DATE CONSIDERED 12/23/04
*EXAMINER: Initial if reference considered, whether or not criteria is in conformation considered. Include copy of this form with next communication	mance with MPEP 609. Draw line through citation if not in conformance and not to application(s).